

Aida Asgarova

Lecturer in maths

EDUCATION

2017 – 2021 **Institute of Mathematics and Mechanics, National Academy of Sciences of Azerbaijan** Ph.D., Mathematics

2012-2015 **Department of Mechanics and Mathematics, Baku State University** M.S., Mathematics (*Honors Diploma*)

2005-2009 **Department of Mechanics and Mathematics, Baku State University** B.S., Mathematics (*Honors Diploma*)

WORK EXPERIENCE

2016-...

Ministry of Science and Education Republic of Azerbaijan
Institute of Mathematics and Mechanics

- Department of "Theory of functions" (research assistant)

PUBLICATIONS

1. Asgarova, A. Kh. and Ismailov, V. E. A remark on the levelling algorithm for the approximation by sums of two compositions, *Caspian Journal of Applied Mathematics, Ecology and Economics*, (2016) 4 (1), 30-37.
2. Asgarova, A. Kh. and Ismailov, V. E. Diliberto-Straus algorithm for the uniform approximation by a sum of two algebras, *Proceedings - Mathematical Sciences, Indian Academy of Sciences*, (2017) 127 (2), 361-374.
3. Asgarova, A. Kh., Babayev, A. M-B., Maharov, I.K. On the error of approximation by ridge functions with two fixed directions, *Tbilisi Mathematical Journal*, (2017) 10 (2), 111-120.
4. Asgarova, A. Kh. and Ismailov, V. E. On the representation by sums of algebras of continuous functions, *Comptes Rendus Mathematique*, (2017) 355 (9), 949-955.
5. Asgarova, A. Kh. On a generalization of the StoneWeierstrass theorem, *Annales mathematiques du Quebec*, (2018) 42 (1), 1-6.
6. Asgarova, A. Kh., Babayev, A. M-B., Maharov, I.K. On the error of approximation by radial basis functions with fixed centers, *Transactions Issue Mathematics, Azerbaijan National Academy of Science*, (2018) 38 (1), 22-29.
7. Asgarova, A. Kh. On the density of a sum of algebras in the space of continuous functions, *Azerbaijan Journal of Mathematics*, (2020) 10 (1), 102-109.
8. Askarova, A. Kh., Ismailov, V. E. A Chebyshev-Type Theorem Characterizing Best Approximation of a Continuous Function by Elements of the Sum of Two Algebras, *Математические Заметки*, (2021) 109 (1), 19–26; *Mathematical Notes*, (2021) 109 (1), 15–20.
9. Aida Asgarova, Ali Huseynli, Vugar Ismailov, A Chebyshev type alternation theorem for best approximation by a sum of two algebras, *Proceedings of the Edinburgh Mathematical Society*, (2023) 66(II(3))
10. A. Asgarova, I. Maharov, On The Error of Approximation by RBF Neural Networks With Two Hidden Nodes (in press)



CONTACT

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SOFTWARE

- Excel
- Word
- PowerPoint
- Outlook
- LaTeX

SKILLS

- ✓ Team work
- ✓ Creativity
- ✓ Leadership
- ✓ Productivity
- ✓ Empathy

LANGUAGES

- Azeri: native language
- English : good
- Russian : very good
- Turkish : very good

INTERESTS

- ✓ Traveling
- ✓ Reading
- ✓ New tech